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PARALLEL, INDIVIDUALLY ADDRESSABLE PROBES FOR NANOLITHOGRAPHY

1 RELATED APPLICATIONS

2 This is a continuation of application Serial No. 10/008,719, filed
3 December 7, 2001, which claims priority of U.S. Provisional Application Serial
now Patent No. 6,642,129
4 No. 60/307,976, filed July 26, 2001.

STATEMENT OF GOVERNMENT INTEREST

5 This invention was made with United States Government
6 assistance through Defense Advanced Research Projects Agency (DARPA)
7 Contract No. NW 0650 300 F 245. The Government has certain rights in this
8 invention.

FIELD OF THE INVENTION

9 The present invention relates generally to the art of efficient and
10 high-speed generation of fine surface patterns made of chemical resists or
11 biological substances using micromachined or microfabricated probes.

BACKGROUND OF THE INVENTION

12 High-throughput lithography and surface patterning with
13 extremely fine linewidths (e.g., on the order of 10-100 nm) are very important
14 for the future growth of the microelectronics industry and nanotechnology.